

CLAIMS

We claim:

- 1 1. A lock removal tool, comprising:
 - 2 an elongated bar having a first end and a second end;
 - 3 a lock cutting tool disposed on the first end of said bar,
 - 4 the lock cutting tool being a generally rectangular, flat plate
 - 5 having leading and trailing edges and top and bottom surfaces,
 - 6 said bar being joined to the lock cutting tool generally between
 - 7 the leading and trailing edges, said bar being angled away from
 - 8 the top surface and extending rearward from the lock cutting
 - 9 tool;
- 10 a tool piece extending from the second end of said bar
- 11 axially aligned with said bar;
- 12 a first impact collar disposed on said bar near the first
- 13 end;
- 14 a second impact collar disposed on said bar near the second
- 15 end; and
- 16 a weight slidably disposed on said bar between the first
- 17 and the second impact collar.

1 2. The lock removal tool according to claim 1, wherein
2 said tool piece comprises a length of metal stock.

1 3. The lock removal tool according to claim 2, wherein
2 said metal stock is square.

1 4. The lock removal tool according to claim 3, wherein
2 said metal stock is tapered to define a blade.

1 5. The lock removal tool according to claim 1, wherein the
2 second end of said bar has a tool piece receptacle defined
3 therein and a threaded set screw aperture formed through the bar
4 and extending into the receptacle, the lock removal tool further
5 comprising a set screw engaging the set screw aperture, whereby
6 said tool piece is removably retained within said tool piece
7 receptacle by said set screw.

1 6. The lock removal tool according to claim 1, wherein the
2 leading edge of said lock cutting tool is bifurcated to form a
3 cutting slot, the cutting slot being a generally "V" shaped slot
4 having inner edges.

1 7. The lock removal tool according to claim 1, wherein said
2 top surface of said lock cutting tool is tapered along the
3 leading edge.

1 8. The lock removal tool according to claim 1, wherein the
2 leading edge of said lock cutting tool is bifurcated to form a
3 cutting slot, the cutting slot being a generally "V" shaped slot
4 having inner edges, the top surface of said cutting tool being
5 tapered along the inner edges of said cutting slot.

1 9. The lock removal tool according to claim 1, wherein the
2 top surface of said lock cutting tool is tapered along the
3 trailing edge.

1 10. The lock removal tool according to claim 1, wherein the
2 bottom surface of said cutting tool is curved at the leading edge.

1 11. The lock removal tool according to claim 1, wherein said
2 cutting tool has at least one groove formed in the top surface,
3 the at least one groove extending transversely across the top
4 surface.

1 12. The lock removal tool according to claim 1, wherein said
2 cutting tool has at least one groove formed in the bottom surface,
3 the at least one groove extending transversely across the bottom
4 surface.

1 13. The lock removal tool according to claim 1, wherein said
2 bar and said lock cutting tool are joined at an angle of between
3 15° and 45°.